

ABSTRACT OF THE DISCLOSURE

A configurable vibration sensor comprising a sensor circuit, an analog-to-digital converter and a processor, where each sensor circuit comprises a vibration sensing element and a variable bandwidth filter controllable by the processor. In addition to the variable bandwidth filter, other configurable elements may also be
5 employed in the sensor circuit, including a variable gain amplifier. These configurable elements allow the configurable vibration sensor to be configured for different vibration measurement applications when measuring vibrations from vibrating structures such as machinery and the like.